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2001-present: Applications Architect at Brookhaven National Laboratory

Deputy head of BNL Physics Applications Software Group (2002-2011)
Coordinator of ATLAS Cathode Strip Chamber software project
Carried out search for diboson resonances
Editor for ATLAS $W' \rightarrow \ell\nu$ search papers
Active member of the ATLAS Exotic physics group
Author of muon performance chapter for ATLAS expected performance
Carried out ATLAS muon performance and validation studies

1999-2001: Visiting Professor at University of Texas, Arlington

Assembled and maintained computing farm for Monte Carlo production
Taught introductory and computational physics courses

1998-2001: Guest Scientist at Fermi National Accelerator Laboratory

Co-leader of the D0 global tracking group

1988-1999: Research Scientist, Faculty Fellow and Sr. Faculty Fellow at Rice University

Developed TRF++ track reconstruction package
Developed CTBUILD software development environment
Leader of the Rice D0 group
Participated in design of the D0 fiber tracking detector
Developed track finding for the SDC detector at the SSC
Participated in the design of the SDC scintillation fiber tracking detector
Participated in fixed target experiments at Fermilab

1987-1988: Postdoctoral Fellow at University of Texas, Austin

Co-spokesman for a spin-scattering experiment at LANL

1986-1987: Postdoctoral Fellow at University of California, Los Angeles

Participated in spin scattering experiments at LANL and Saclay

Education

Ph.D. in physics, University of California, Los Angeles, 1986
M.S. in physics, University of California, Los Angeles, 1981
B.S. in physics, California institute of Technology, 1980